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wife is weak and ailing

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ness and jaundice. They're a blessing to women who suffer

from backache, headache, fainting or dizzy spells and a boon

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to all sufferers from kidney troubles. TRY THEM.

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is rich in coal, iron, timber, potter's clay. Setc., and the most inviting field in Kenstucky for investment of capital and pluck. . Berlicherrrenderenderenderenderenderender S

VOL. XIV. NO. 19.

GREENVILLE, KY., THURSDAY, JUNE 13, 1912,

50c. PER YEAR, IN ADVANCE

#### TESTING MILK WITHOUT USE OF SPECIAL INSTRUMENTS

Process Is Described for Detecting Added Water or Skimmed Milk and is More Accurate Than Simple Use of the Lacted-Ensimeter Without the Creamometer Check.



Testing Milk Without Apparatus.

One muse of waxy or greasy butter

The cause of the contamination of

it does not pay to keep and feed

Experienced dairymen say it doesn't

Made-Use Ordinary Buggy

Tire and a Few Natis to

Fasten it on Box.

Mr. Gco. Martz, of Buena Vista

**BOX FOR SEED** 

The following process for the detec- delivery at the station much would be added water or of skimmed accomplished toward the betterment milk in ordinary milk is more accu- of the rate than the simple use of the incodensimeter without the creamome- is overchurning. One should stop the Pa., single comb White Leghorns, 18 ter check. The whole test can be churn when the butter is in granular aggs. made in five minutes. The result form before it becomes a mass. does not show whether the adultera- The farmer who allows his dairy tion consisted in the addition of wa- cows all to feed together at night, ter or in the subtraction of cream, but | cught to know that some of them will | Machine Built for New Origans Poulas a rule this matters little to the con- get more than they require, while sumer. What he wants to know is others will not secure enough to keep whether or not he had what he paid them even in normal flesh.

The suspected milk is stirred with a milk is largely due to lack of perfect spoon, in order to disseminate into cleanliness with the milking utensils, surroundings, methods of delivery the whole liquid the cream which may and personal cleanliness. have come to the surface. Then one volume of milk is poured into fifty volumes of water. (One fluid ounce must be purchased and valuable hometo two and a half pints.) A candle grown feeds used. It is better to keep is lighted in a dark room. The expea few good cows than many poor ones. rimenter takes an ordinary drinking glass with a tolerably flat and even pay to "rough" a dry cow. It costs as bottom, and holds it right above the much or more to bring her back into candle, at a distance of about one proper condition than the saving in foot from it, so as to be able to see feed would amount to. the flame of the candle through the bottom of the glass. He then pours blowly and carefully the diluted milk CHEAPLY MADE into the glass.

The flame becomes less and less bright as the level of the liquid rises into the glass. The flame is soon reduced to a dull white spot. A little Convenient Receptacle May Be more liquid, slowly added so as to avoid pouring an excess, and the flame becomes absolutely invisible. All that remains to be done is to measure the height of the liquid in the glass, this being most conveniently Co., la., says that he is in favor of ascertained by dipping into it a strip picking seed corn while picking to of pasteboard and then measuring the crib and he thinks that a better qualwet part. It should measure not over Ity and sounder car can be picked, ole inch if the milk is pure. With says the Homestead. He sends a good quality milk, diluted and tested as stated, the depth will be about 7-8 of an inch before the flame is lost to

A mixture of one volume of milk and a half a volume of water should show a depth of 11/2 inches. A depth of 2 inches indicates either partially skimmed milk or a mixture of one volume of good milk with one of wa-

ter, and so ca. The reader has already understood that the process is based upon the close relation between the capacity of sketch of a seed box that he made and milk and the number of fatty cor- is using and finds it to be very concrease the opacity of milk. The same the seed box for any ordinary size cannot be said of the density. Skim- bex holding a sack of corn. The irons ming increases it, adding water de- must be nailed on box and then the creases it; and the common test, bex can be lifted off and set away which consists in the mere introduc- while using the wagon for other work, tion of the lactodensimeter in milk, instead of wiring it or nailing to the is worthless, as a skimmed milk may have a normal density if care has been taken to pour into it a certain amount of water. Density should be taken before and after skimming, and the percentage of cream should be determined with the creamometer. Thus applied, the density test requires a lactodensimeter, a thermometer, and a creamometer, and the test requires twenty-four nours, while the result is not much more accurate than the opacity test just described.

Much of the trouble with the milk is caused after it leaves the pro- wagon box. In order to get the measducers, often being held back at the urements for the iron hold the box stations 36 to 48 hours before it is on the step of the wagon and measure shipped. This milk must necessarily the distance from the inside of the step be nearly 60 hours old before it around the box to the top of wagon reaches the consumer. If the board box allowing about three inches at of health would insist that all milk both ends for book and properties at should be shipped out on the day of nottom.



RHODE ISLAND REDS IN LEAD

ions Owned by Pennsylvania Poultry Raiser Ahead of Eastern Egg-Laying Contest.

The egg-laying contest at the Conpecticut Agricultural college, with its Union, England and Canada, representing 12 distinct breeds and 23 vafietles, attracted considerable atten-



Rhode Island Red Hen.

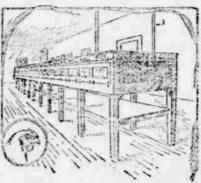
ion at the Connecticut Poultry asoctation meeting held at Hartford reently, as nome of the speakers had dids entered in the contest. Pollowing is the report of the leadg hens for the twelfth week of the

John A. Freichery of Harrisburg, a., single comb Rhode Island Rada, eggs; Howard Steele of Philadel ohia, Pa., single comb Rhode Island Reds, 23 eggs, Top Notch farm; Waler Mil's of Long Island, barred Plywith Rooks, 21 eggs; C. S. Scoullle of East Haven, single comb Rhode 1sand Reds, 21 eggs, 7 per cent. Noteh rm; Water Hills of Long Isd, M. Y., barred Plymouth chr. 21 cggs; C. S. Scoville of East Haven, Conn., rose comb Rhode Island teda 20 eggs: Woodside Poultey arm, Philadelphia, Pa., white Wyanlottes, 18 eggs; Arnold Francis of lak, Pa., single comb Rhode Island Reds! 18 eggs; P. G. Yost of Sayre

ELECTRIC INCUBATOR IS BIG

try Raiser Has Capacity of 6,000 Eggs-How Worked.

One of the largest electric incubaors in use anywhere in the world was milt for a poultry raiser in New Orleans. It is 10 feet long by 5 feet ide, and contains 40 compartments. ach having a capacity of 159 eggs. poor dairy cows in winter when feeds says the Pepular Mechanics, Each compariment can be separately con-



Incubator of 6,000 Capacity.

rolled, so that any one, or all of the compartments, can be operated, neording to the number of eggs to be itched. The controlling thermoats used do not completely break the Her circ. It, but introduce the comeratively high resistance of a small lectric lamp when open, thus avoid og cparking at the contacts.

ew unites or neithern of egun every

There is genuine sailed often in

swaing thoroughbord stock and they next no more to feed. Go in for the

lieve you ever noticed the hous ful

owing the play and did you observe

low fast the grube disappeared? This

s good for the hers and the land plan.

A bone cutter will garely pay for

tself. Green cut bone supplies the

ion with abitity to produce eggs,

jourishes her feathers and keeps her

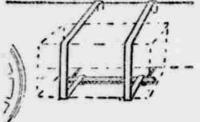
Encourage them.

n general good health.



Con't let your breeders get too fat or you will be sorry for it. Young ducks should always have puscies contained in it. Both skim- venient to take off the wagon box and plenty of water and shade and grit. ming and the adding of water work put on. All that is needed is one bug-Green cut bone and ment foods are in the same direction, namely, to de- gy tire and six nails to nail irons to he worms and bugs in the winter in No condition powder on the market

he good as wholecome food and entr of exercine Turkey gobbiers should be mated with the tiers or early as possible, pertuinly by the first of April. The best layerserie there rowls that era been lived particularly with a w to increased egg production. interedlas seen levers the victity f a fic k. That is only we should get



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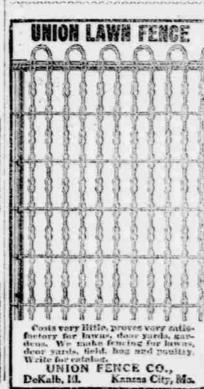
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